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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N
10/743,789	12/24/2003	Fumio Denda	981091A	9814
38834 7	590 05/03/2006		EXAMINER	
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700 WASHINGTON, DC 20036			PENDLETON, BRIAN T	
			ART UNIT	PAPER NUMBER
			2615	

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/743,789	DENDA, FUMIO	
Office Action Summary	Examiner	Art Unit	
	Brian T. Pendleton	2615	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status		·	
 1) Responsive to communication(s) filed on 22 Fee 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 5-19 is/are pending in the application. 4a) Of the above claim(s) 8-15,18 and 19 is/are 5) Claim(s) is/are allowed. 6) Claim(s) 5-7 and 17 is/are rejected. 7) Claim(s) 16 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on 24 December 2003 is/ar Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction	e withdrawn from consideration. The election requirement. The election requirement of the election requirement. The election requirement of the election requirement. The election requirement of	e 37 CFR 1.85(a).	
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No. <u>09 159</u> , 104 ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa		

DETAILED ACTION

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Election/Restrictions

Applicant's election without traverse of Species I in the reply filed on 2/22/06 is acknowledged.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The language of the claim is confusing with regard to the output channels. The claim recites "attenuating an amplitude of the original sound of one channel is outputted to the one channel" whereby "the one channel" is vague. In addition, the claim recites "outputted to the other channel" indicating the use of two output channels, but such language being absent from the claim. Lastly, the language "said processed sound being formed by a process where an amplitude attenuation processed sound formed by ..." is unwieldy.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 5-7 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beller et al, US Patent 5,895,220 in view of Kamada et al, US Patent 5,995,631. Beller discloses an auditory sensing training method comprising switching between original signal Oe and a parametric signal Ps. See column 9 line 24 – column 11 line 18. The parametric signal is a processed sound which is alternated with the original sound. Beller does not disclose that the processed sound is formed by attenuating one channel signal and superimposing that signal to the other channel and outputting the attenuated channel signal and the superimposed channel signal. In figure 39, Kamada et al disclose an method of sound localization that attenuates a signal via multiplier 200 in one channel Lin and superimposes the signal to the signal Rin at adder 212 in the other channel. It would have been obvious to one of ordinary skill in the art at the time of invention to modify Beller et al per the teachings of Kamada et al for the purpose of training the auditory sense of a person using sound localization which improves its effectiveness. Claims 5 and 17 are rejected. As to claim 6, the combination inherently meets the limitations. Regarding claim 7, the alternating process varies (see column 11 lines 1-4).

Allowable Subject Matter

Claim 16 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Brian T. Pendleton whose telephone number is (571) 272-7527.

The examiner can normally be reached on M-F 7-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Vivian Chin can be reached on (571) 272-7848. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian T. Pendleton **Primary Examiner**

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2:0.2cm

btp

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